What is claimed is:

1. A plurality of overlapping snack pieces comprising:
   a. a non-planar snack piece having a surface including random surface features extending from said surface;
   b. wherein said plurality of overlapping snack pieces have a volumetric bulk density of greater than about 8.0×10^{-5} g/mm^3.

2. A plurality of overlapping snack pieces according to claim 1, wherein said plurality of overlapping snack pieces are in a nested arrangement.

3. A plurality of overlapping snack pieces according to claim 1, wherein said volumetric bulk density is from about 8.0×10^{-5} g/mm^3 to about 80×10^{-5} g/mm^3.

4. A plurality of overlapping snack pieces according to claim 1, wherein said snack piece has a concave curvature.

5. A plurality of overlapping snack pieces according to claim 4, wherein said snack piece has a bowl-shaped curvature.

6. A plurality of overlapping snack pieces according to claim 1, wherein said body a segment of a sphere cap.

7. A plurality of overlapping snack pieces according to claim 5, wherein said snack piece has a radius of curvature from about 5 mm to about 500 mm.

8. A plurality of overlapping snack pieces according to claim 1, wherein said snack piece has a modulus of elasticity from about 0.1 g/mm^2 to about 6.0 g/mm^2.

9. A plurality of overlapping snack pieces according to claim 2, wherein said snack piece having a maximum thickness from about 2.5 mm to about 5.5 mm.

10. A plurality of overlapping snack pieces according to claim 1, wherein said snack piece contains a lipid content from about 18% to about 40%.

11. A plurality of overlapping snack pieces according to claim 1, wherein said snack piece has a density from about 1.0×10^{-4} g/mm^3 to about 17×10^{-4} g/mm^3.

12. A plurality of overlapping snack pieces according to claim 1, wherein each of said snack pieces in said plurality of overlapping snack pieces are consistent in size and shape.

13. A plurality of overlapping snack pieces according to claim 1, wherein said snack piece is contained in a package.

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14. A plurality of overlapping snack pieces according to claim 14, wherein said plurality of overlapping snack pieces is placed in a package, said package having a packed bulk density from about 10×10^{-5} g/mm^3 to about 35×10^{-5} g/mm^3.

15. A plurality of overlapping snack pieces comprising:

    a. a non-planar snack piece has a concave curvature;

    b. wherein said plurality of overlapping snack pieces have a volumetric bulk density of greater than about 8.0×10^{-5} g/mm^3.

16. A plurality of overlapping snack pieces according to claim 16, wherein said snack piece has a bowl-shaped curvature.

17. A plurality of overlapping snack pieces according to claim 16, wherein said snack piece is a segment from a sphere cap.

18. A plurality of overlapping snack pieces according to claim 16, wherein said volumetric bulk density is from about 8.0×10^{-5} g/mm^3 to about 80×10^{-5} g/mm^3.

19. A plurality of overlapping snack pieces according to claim 16, wherein said snack piece having a lipid content from about 18% to about 40%.

20. A plurality of overlapping snack pieces according to claim 16, wherein said plurality of overlapping snack pieces is placed in a package, said package having a packed bulk density from about 10×10^{-5} g/mm^3 to about 35×10^{-5} g/mm^3.

21. A plurality of overlapping snack pieces comprising:

    a. a non-planar snack piece having a maximum thickness greater than about 2.5 mm;

    b. wherein said plurality of overlapping snack pieces have a volumetric bulk density of greater than about 8.0×10^{-5} g/mm^3.

22. A plurality of overlapping snack pieces according to claim 22, wherein said snack piece having a lipid content from about 18% to about 40%.

23. A plurality of overlapping snack pieces comprising:

    a. a non-planar snack piece having a concave curvature;

    b. wherein said plurality of overlapping snack pieces is placed in a package, said package having a packed volumetric bulk density greater than about 10×10^{-5} g/mm^3 to about 35×10^{-5} g/mm^3.

24. A plurality of overlapping snack pieces comprising:

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    a.   a non-planar snack piece having a surface including random surface features extending from said surface;

    b.   wherein said plurality of overlapping snack pieces have a linear bulk density of greater than about 0.4 g/mm^3.

25. A plurality of overlapping snack pieces according to claim 25, wherein said snack piece has a concave curvature.

26. A plurality of overlapping snack pieces according to claim 26, wherein said snack piece has a bowl-shaped curvature.

27. A plurality of overlapping snack pieces according to claim 27, wherein said body a segment of a sphere cap.

28. A plurality of overlapping snack pieces comprising:

    a.   a snack piece having a lipid content of less than about 23% by weight of the snack piece;

    b.   wherein said plurality of overlapping snack pieces have a volumetric bulk density from about 8.0 x 10^{-5} g/mm^3 to about 80 x 10^{-5} g/mm^3.

29. A plurality of overlapping snack pieces according to claim 29, wherein said plurality of overlapping snack pieces is placed in a package, said package having a packed volumetric bulk density from about 10 x 10^{-5} g/mm^3 to about 35 x 10^{-5} g/mm^3.

30. A method for making a high bulk density plurality of overlapping thick snack pieces, said method comprising the steps of:

    a.   controlling the radius of curvature of the chip by placing a dough piece of said snack piece adjacent to predetermined curved restraining device having a radius of curvature from 5 mm to about 500 mm;

    b.   cooking said dough piece while said dough piece is restrained by said curved restraining device until said dough piece transforms into said final snack piece having a surface wherein random surface features extend from said surface; and

    c.   placing said snack piece adjacent to other of said snack pieces to form said plurality of overlapping snack pieces, wherein said plurality of overlapping snack pieces having a volumetric bulk density greater than 8.0 x 10^{-5} g/mm^3.